1. **Write a Python program to Extract Unique values dictionary values?**

# Sample dictionary

sample\_dict = {'a': 1, 'b': 2, 'c': 3, 'd': 2, 'e': 1}

# Extracting unique values from dictionary

unique\_values = set(sample\_dict.values())

# Printing unique values

print("Unique values from dictionary:", unique\_values)

1. **Write a Python program to find the sum of all items in a dictionary?**

my\_dict = {'a': 100, 'b': 200, 'c': 300, 'd': 400}

# using sum() function to get the sum of all values in the dictionary

sum\_of\_values = sum(my\_dict.values())

print("Sum of all items in the dictionary:", sum\_of\_values)

1. **Write a Python program to Merging two Dictionaries?**

# Sample dictionaries

dict1 = {'a': 100, 'b': 200}

dict2 = {'x': 300, 'y': 400}

# Merge the dictionaries

dict1.update(dict2)

# Print the merged dictionary

print(dict1)

1. **Write a Python program to convert key-values list to flat dictionary?**

key\_value\_list = [("key1", 1), ("key2", 2), ("key3", 3)]

flat\_dict = {key: value for key, value in key\_value\_list}

print(flat\_dict)

1. **Write a Python program to insertion at the beginning in OrderedDict?**

from collections import OrderedDict

# create an OrderedDict

od = OrderedDict([('a', 1), ('b', 2), ('c', 3)])

# insert a new key-value pair at the beginning

od['d'] = 4

od.move\_to\_end('d', last=False)

# print the updated OrderedDict

print(od)

1. **Write a Python program to check order of character in string using OrderedDict()?**

from collections import OrderedDict

def check\_order(s, pattern):

# Create an ordered dictionary with the characters and their indices

d = OrderedDict.fromkeys(s)

for char in s:

d[char] = d.get(char, 0) + 1

# Check the order of characters in the string

i = 0

for char in pattern:

if char not in d:

return False

if d[char] == 0:

return False

i += 1

d[char] -= 1

return True

1. **Write a Python program to sort Python Dictionaries by Key or Value?**

# create a dictionary

d = {'apple': 10, 'orange': 20, 'banana': 5}

# sort by key

sorted\_d = dict(sorted(d.items()))

# print the sorted dictionary

print(sorted\_d)